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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/821,092	04/08/2004	Francisco Juarez	NOVE100041000	8981	
22891 LAW OFFICE	7590 01/28/200 OF DELIO & PETERS	EXAMINER			
121 WHITNEY AVENUE 3RD FLLOR			MILLER, MICHAEL G		
NEW HAVEN, CT 06510 ART UNIT		PAPER NUMBER			
			1792		
		•	<u></u>		
			MAIL DATE	DELIVERY MODE	
		•	01/20/2000	DADED	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Advisory Action

Application No.	Applicant(s)		
10/821,092	JUAREZ ET AL.		
Examiner	Art Unit		
Michael G. Miller MGM	1792		

Defense the Fillian of an American	10/021,092	JUAREZ ET AL.					
Before the Filing of an Appeal Brief	Examiner	Art Unit					
	Michael G. Miller MGM	1792					
The MAILING DATE of this communication appe	ears on the cover sheet with the o	orrespondence add	ress				
THE REPLY FILED 16 January 2008 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.							
1. The reply was filed after a final rejection, but prior to or or this application, applicant must timely file one of the follow places the application in condition for allowance; (2) a Not a Request for Continued Examination (RCE) in compliance time periods:	n the same day as filing a Notice of wing replies: (1) an amendment, aff otice of Appeal (with appeal fee) in once with 37 CFR 1.114. The reply m	Appeal. To avoid aba fidavit, or other eviden	ice, which				
b) The period for reply expiresmonths from the mailing by The period for reply expires on: (1) the mailing date of this A	a) The period for reply expiresmonths from the mailing date of the final rejection.						
no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN							
TWO MONTHS OF THE FINAL REJECTION. See MPEP 70 Extensions of time may be obtained under 37 CFR 1.136(a). The date have been filed is the date for purposes of determining the period of extunder 37 CFR 1.17(a) is calculated from: (1) the expiration date of the set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patent term adjustment. See 37 CFR 1.704(b). NOTICE OF APPEAL	on which the petition under 37 CFR 1.1 tension and the corresponding amount shortened statutory period for reply orige than three months after the mailing da	of the fee. The approprisinally set in the final Office te of the final rejection, e	ate extension fee be action; or (2) as even if timely filed,				
 The Notice of Appeal was filed on A brief in compliar filing the Notice of Appeal (37 CFR 41.37(a)), or any exter a Notice of Appeal has been filed, any reply must be filed AMENDMENTS 	nsion thereof (37 CFR 41.37(e)), to within the time period set forth in 3	avoid dismissal of the 7 CFR 41.37(a).	e appeal. Since				
3. The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will <u>not</u> be entered because (a) They raise new issues that would require further consideration and/or search (see NOTE below); (b) They raise the issue of new matter (see NOTE below);							
(c) Last They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or							
(d) ☐ They present additional claims without canceling a c NOTE: <u>. (S</u> ee 37 CFR 1.116 and 41.33(a)).	corresponding number of finally reje	ected claims.					
4. The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324). 5. Applicant's reply has overcome the following rejection(s):							
Newly proposed or amended claim(s)would be allowed non-allowable claim(s). For purposes of appeal, the proposed arrow to a possible contains a possible contains. Would be allowed a possible contains a possib							
7. For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is prov The status of the claim(s) is (or will be) as follows: Claim(s) allowed:	」 will not be entered, or b) □ will ided below or appended.	be entered and an ex	planation of				
Claim(s) allowed:							
Claim(s) rejected:							
Claim(s) withdrawn from consideration: AFFIDAVIT OR OTHER EVIDENCE		•					
8. The affidavit or other evidence filed after a final action, but because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e).	before or on the date of filing a No sufficient reasons why the affidavi	tice of Appeal will <u>not</u> t or other evidence is	be entered necessary and				
9. The affidavit or other evidence filed after the date of filing a entered because the affidavit or other evidence failed to ov showing a good and sufficient reasons why it is necessary	ercome <u>all</u> rejections under appeal and was not earlier presented. So	and/or appellant fails	to provide a				
REQUEST FOR RECONSIDERATION/OTHER	of the status of the claims after en	try is below or attache	d.				
11. The request for reconsideration has been considered but Applicant's arguments were not found persuasive by Example 2.	mner	condition for allowanc	e because:				
12. Note the attached Information Disclosure Statement(s). (P	PTO/SB/08) Paper No(s)						
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10/821,092 Art Unit: 1792

DETAILED ACTION

Response to Arguments

- 1. Applicant's arguments filed 16 January 2008 have been fully considered but they are not persuasive.
- 2. With regard to the argument against Claim 1, Applicant argues that '977 teaches that the vapor to be deposited must be placed into the chamber at its larger volume for deposition to occur. Examiner respectfully disagrees and points to paragraph 0071, which shows that at constant volume, the temperature of the vapor can be increased to increase its vapor pressure and thereby its deposition rate onto the substrate (the atmosphere of the chamber will only hold a maximum partial pressure of vapor before it starts to condense). This is evidence for a constant-volume condensation process. Further, as the volume expands at the end of the process, the partial pressure of the vapor will decrease and eventually fall below the saturation point, at which time deposition will cease. Therefore, '977 does teach a process where the chamber can be enlarged at the end of the deposition step to halt the reaction.
- 3. Applicant's arguments against Claims 2 and 8 are based entirely on the resolution of the argument against Claim 1. As Examiner respectfully disagrees with the argument against Claim 1, so to does the Examiner respectfully disagree with the arguments against Claims 2 and 8.
- 4. With regard to the argument against Claims 3-4, Applicant argues that '977 does not teach the use of gas or vacuum purging after the chamber has reached its second,

10/821,092

Art Unit: 1792

larger volume. Examiner respectfully disagrees. Paragraph 0054 teaches that the substrate can be cooled by expanding the volume of the chamber. Paragraph 0086 teaches that the chamber may be purged after cooling of the substrate, which as taught by PG0054 may be brought about by chamber expansion.

- 5. With regard to the argument against Claims 5 and 9, Applicant argues that '977 does not teach suitable structural requirements for the reactor assembly. Examiner respectfully disagrees. Applicant does not require that the platform be movable separately from other portions of the chamber. As shown in Figure 1, the support for the substrate will move up and down as the external chamber moves up and down, making the substrate support a platform movable between first and second positions.
- 6. Applicant's arguments against Claims 20-22 are based partially on the argument against Claim 1. Examiner respectfully disagrees that Claims 20-22 are not obvious over the prior art, as Examiner submits that '977 teaches the disputed portion of Claims 20-22. See above discussion of Claim 1.
- 7. In view of the foregoing, Examiner maintains all previous grounds of rejection as presented in the previous Office Action.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael G. Miller whose telephone number is (571) 270-1861. The examiner can normally be reached on M-F 7-4.

10/821,092

Art Unit: 1792

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Cleveland can be reached on (571) 272-1418. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MGM M6M

MICHAEL CLEVELAND
SUPERVISORY PATENT EXAMINER